



PATENT

FRENCH PETROLEUM INSTITUTE

**PROCESS OF HYDROCRACKING IN TWO STAGES USING AN
AMORPHOUS CATALYST BASED ON PLATINUM AND PALLADIUM**

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ABSTRACT

Hydrocracking process for the conversion of a hydrocarbon feedstock that comprises a hydrotreating stage, in which the feedstock is brought into contact with the hydrogen in the presence of a hydrotreating catalyst at a temperature T1, a separation stage in which at least a portion of the converted products that are formed during the hydrotreating stage and a fraction that comprises the unconverted products are separated, and a hydrocracking stage in which the fraction that comprises the unconverted products is at least in part brought into contact with hydrogen in the presence of an amorphous hydrocracking catalyst that comprises a substrate, palladium and platinum, at a temperature T2 that is less than T1, whereby the difference between T1 and T2 is

between 5 and 50°C, preferably between 10 and 40°C, and more preferably between 15 and 30°C.